Wabern

Moonn Electronics

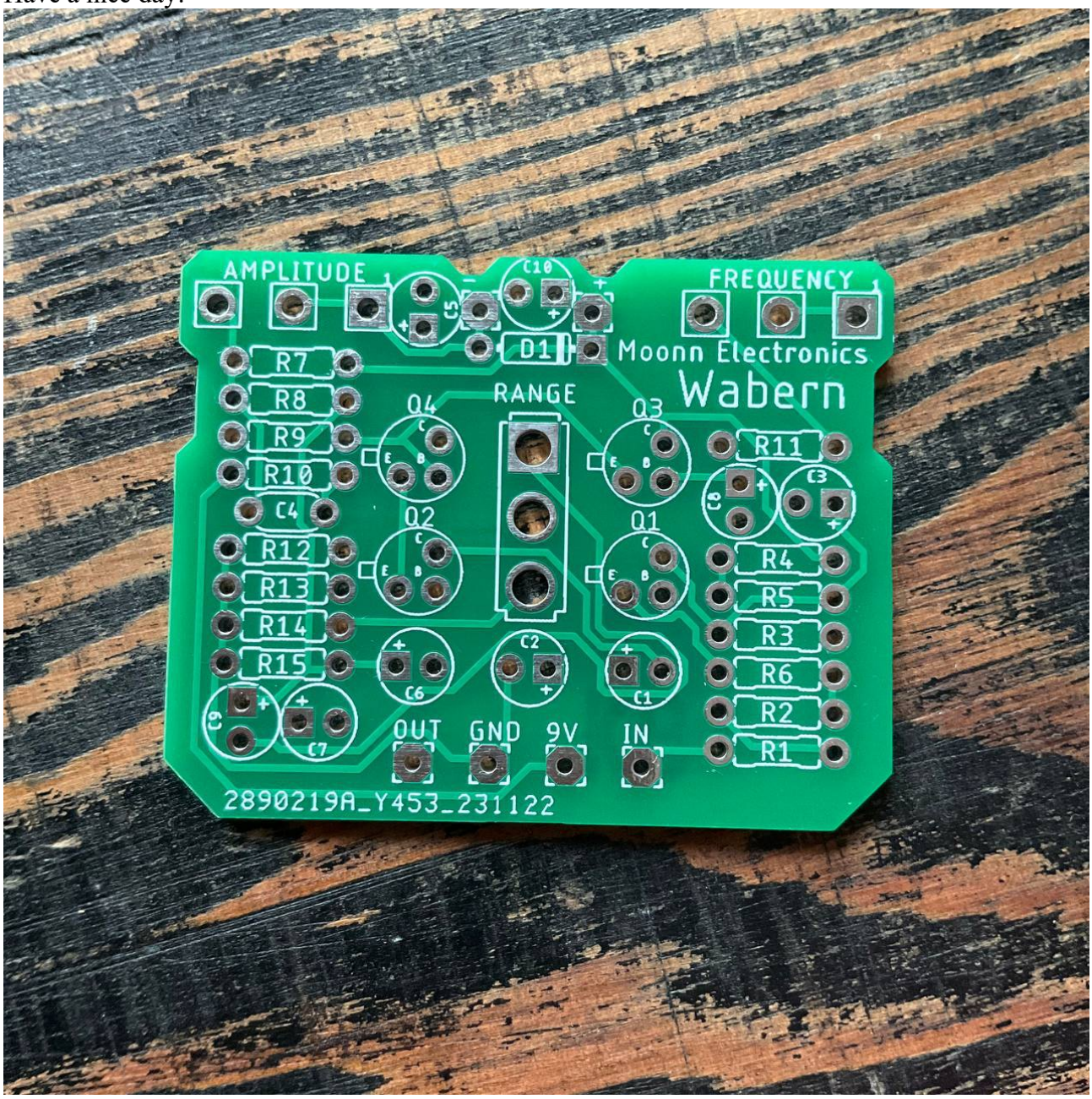
Use me to build a clone of the Schaller Tremolo

Hi there!
Thank you for building me!

And thank you for supporting Moonn Electronics in general
The dude running this shop and designing this stuff is still weirded out by all of you cuties <3

If you have any questions or anything else to say, just write an email to
moonnelectronics@gmail.com

Have a nice day!

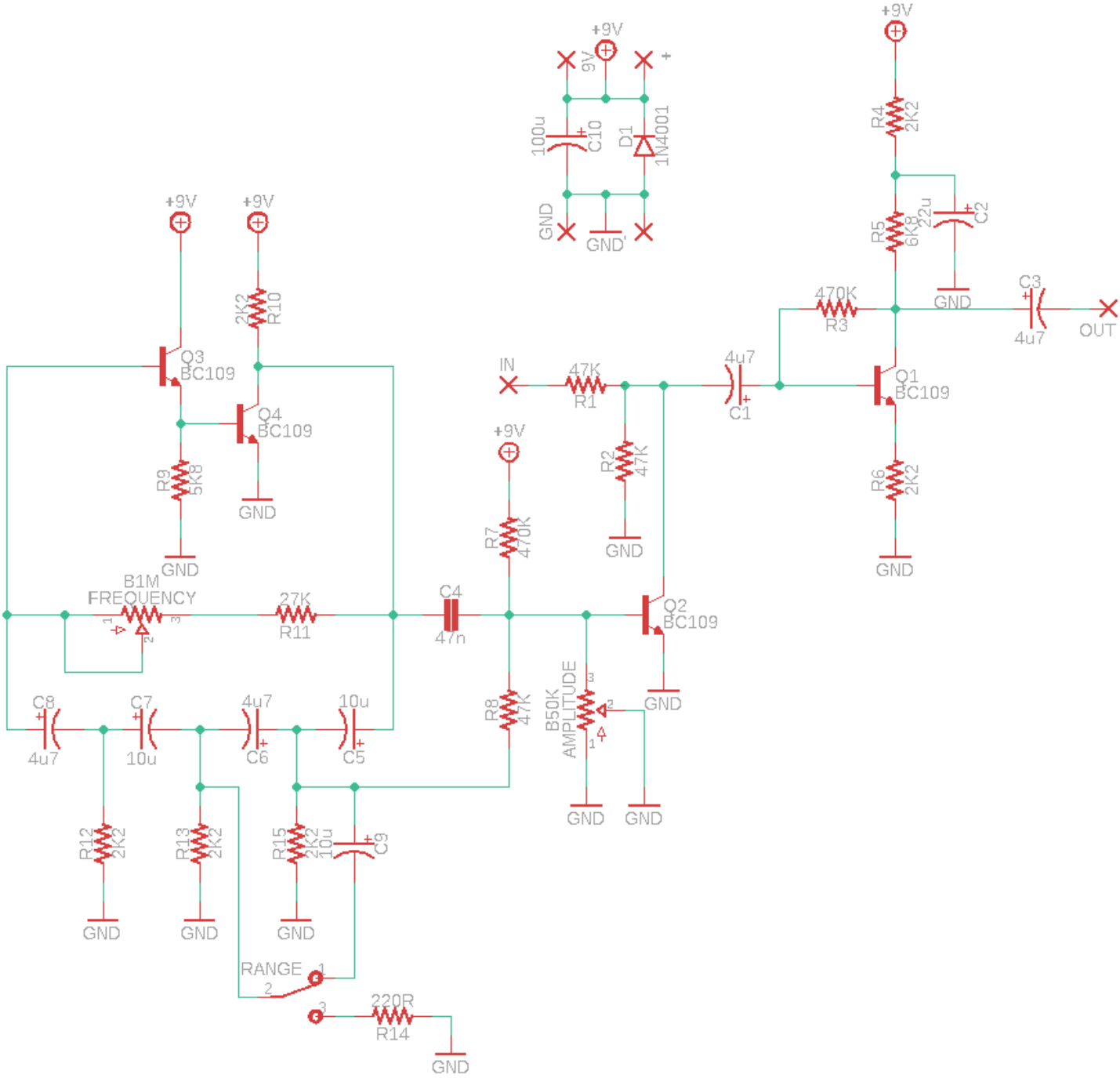
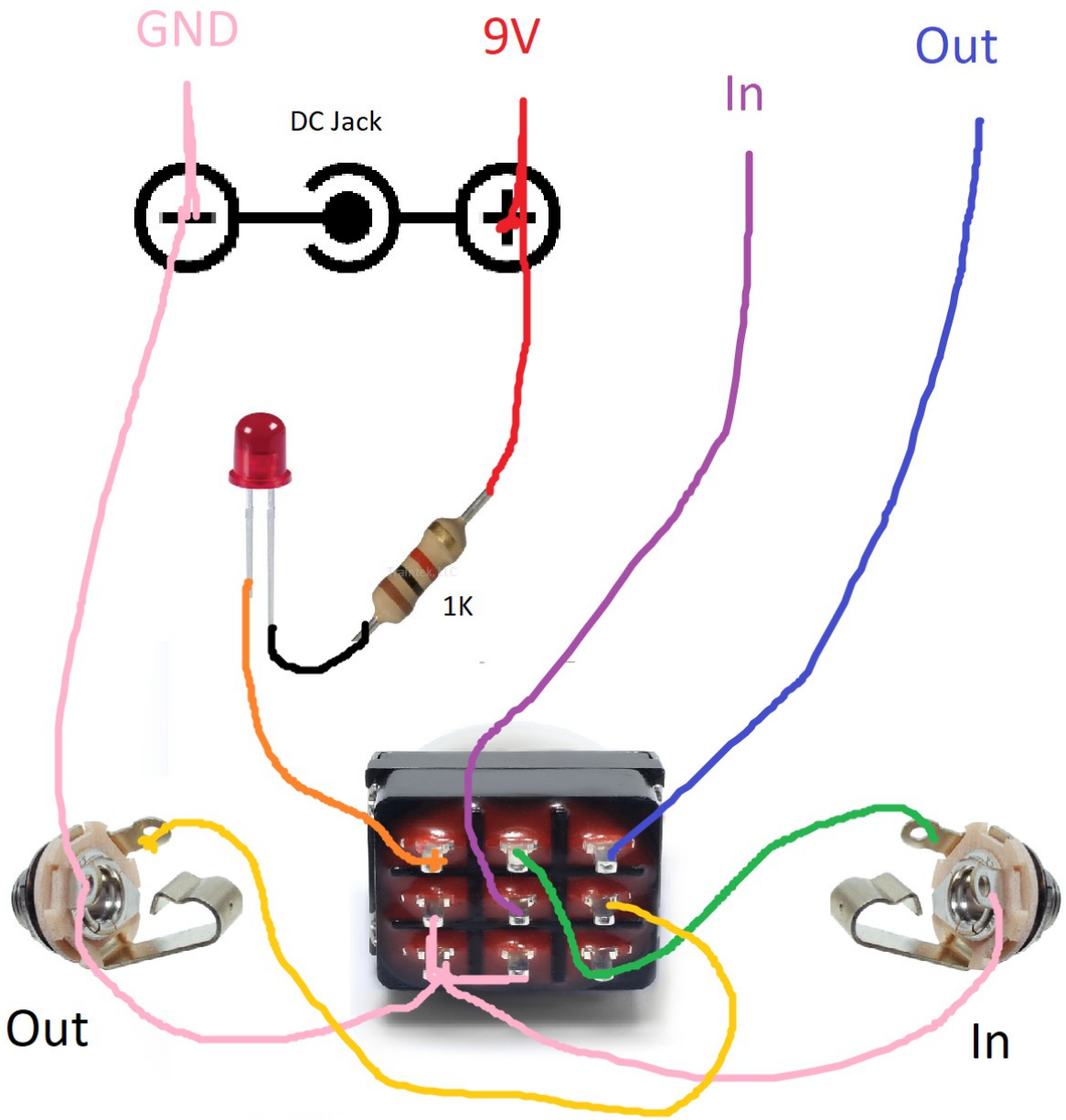


Moonn Electronics is in no way affiliated with Schaller

Bill of Materials

Qty	Value	Parts
Resistors		
1	220R	R14
6	2K2	R4, R6, R10, R12, R13, R15
1	6K8	R5
1	5K8	R9
1	27K	R11
3	47K	R1, R2, R8
2	470K	R3, R7
Film Capacitors		
1	47n	C4
Electrolytic Capacitors		
4	4u7	C1, C3, C6, C8
3	10u	C5, C7, C9
1	22u	C2
1	100u	C10
Semiconductors		
1	1N4001	D1
4	BC109	Q1, Q2, Q3, Q4
Switches and Potentiometers		
1	SPDT OnOn	RANGE
1	B50K	AMPLITUDE
1	B1M	FREQUENCY

Schematic


+9V
9V
100u
C10
D1
1N4001
GND
GND
+9V
R4
2K2
R5
6K8
22u
C2
GND
470K
R3
C3
4u7
OUT
+9V
+9V
2K2
R10
Q3
BC109
Q4
BC109
R9
5K8
GND
GND
IN
47K
R1
4u7
C1
Q1
BC109
R6
2K2
GND
+9V
R2
47K
GND
R7
470K
B1M
FREQUENCY
27K
R11
C4
47n
Q2
BC109
GND
R8
47K
B50K
AMPLITUDE
GND
GND
C8
4u7
C7
10u
4u7
C6
10u
C5
R12
2K2
R13
2K2
R15
2K2
10u
C9
GND
GND
GND
RANGE
220R
R14
GND

Offboard Wiring